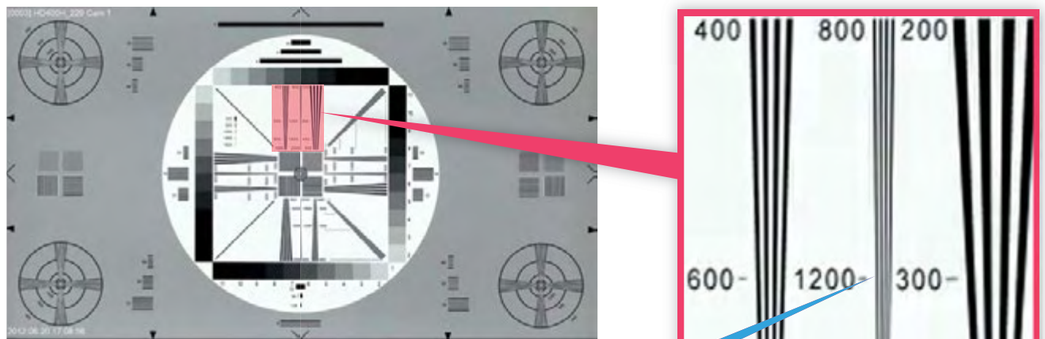
HD-CCTV CAMERA

1080p Full HD
Anti-Motion blur
SMART IR-LED Control
Digital **Slow Shutter**
Auto Focus

HD-CCTV Camera **Features**

High-Resolution : Provides 1,200TV Line

HD-CCTV camera provides high-quality Full-HD(1920 x 1080p) video image.
It uses new signal processing technology to show such fine video.



WGI HD-SDI Camera (C1080B)

Auto Focus : Auto Focus by one-push

AF series cameras support auto focus function. Because adjust focusing of HD camera is very difficult work, it helps easy installation and to get best HD video image. Besides, if camera is connected to DVR by serial communication, user can control zoom and focus remotely.

Before Auto Focus

After Auto Focus

Excellent sensitivity : Clear image at 0.0005 lux

High-performance signal processing makes camera to have high sensitivity at dark environment where even human eyes cannot identify target object.

(BW: 0.0005Lux / Color: 0.2Lux@50IRE, F1.4, 3100K, DSS off)

WGI C1080B (2M, CMOS, 0.2Lux) "S" Camera (2M, CMOS, 1.0Lux)

Test Environment: 0.08 Lux Color Mode - F1.2, Flourescent

WGI C1080B (2M, CMOS, 0.0005Lux) "S" Camera (2M, CMOS, 0.1Lux)

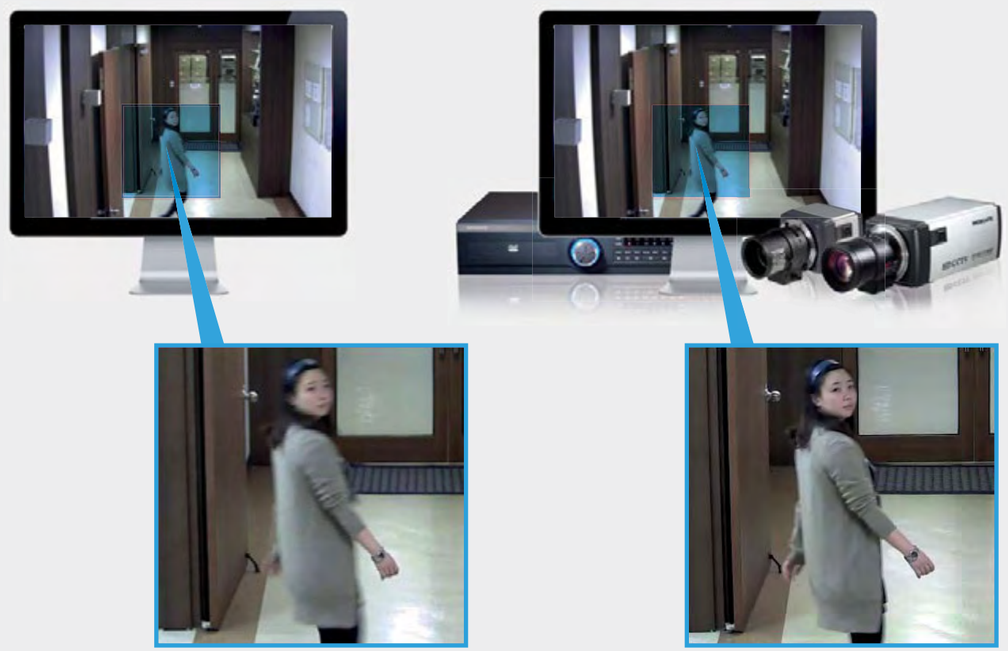
Test Environment: 0.005 Lux Color Mode - F1.2, Flourescent

HD-CCTV Camera **Features**

Anti-Motion blur : Delivers more clear image for any moving object

High-performance, new video signal processing methods provide clear image without motion blurring.

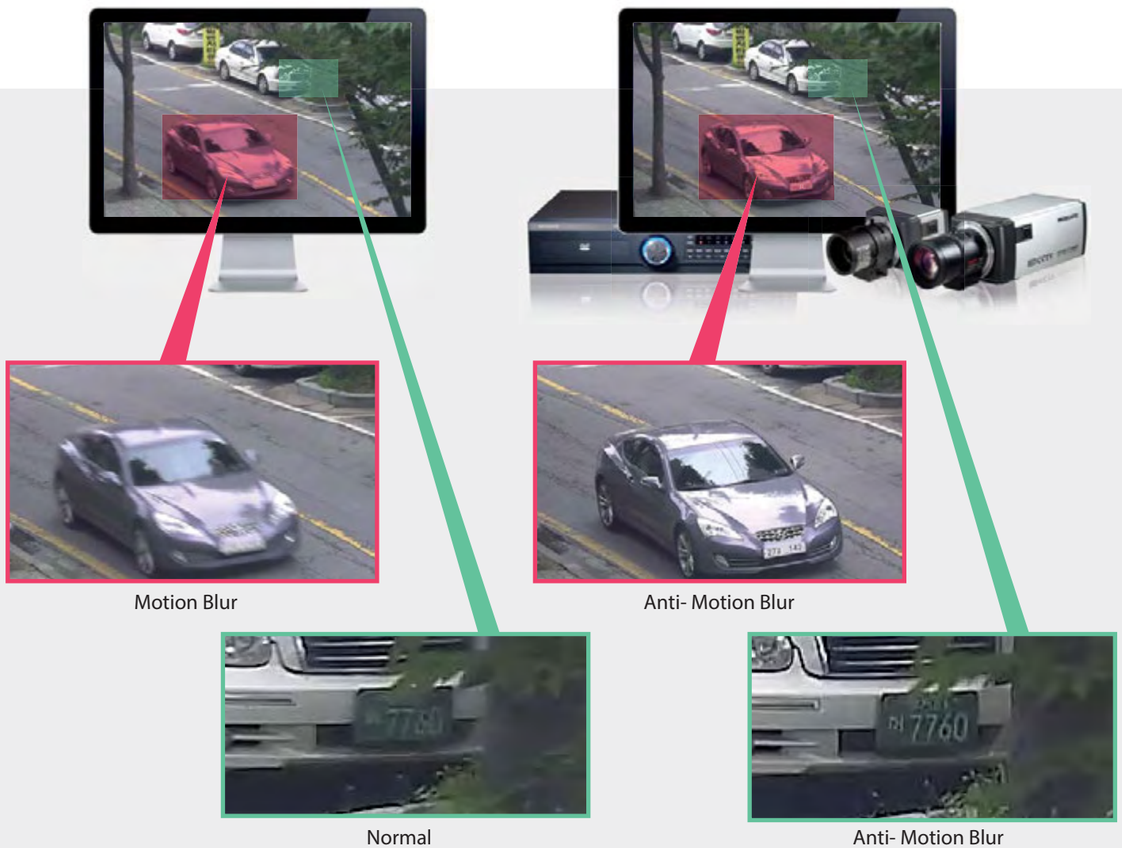
[Indoor Mode]
This mode minimizes the motion blurring at indoor environment like entrance or corridor.



Motion Blur

Anti- Motion Blur

[Outdoor Mode]
This mode minimizes the motion blurring at outdoor environment, and it is especially useful for the license plate recognition on the road. This function also minimizes the image blurring caused by camera.



Motion Blur

Anti- Motion Blur

Normal

Anti- Motion Blur

HD-CCTV Camera **Features**

CVBS output : Auxiliary analog video output

For easy installation, camera provides auxiliary CVBS (NTSC/PAL) video output. By using full-screen and zoom screen of CVBS output, installer can easily adjust not only the angle of view but also focus.

Full Screen

Zoom Screen

WDR : Smart Backlight Compensation

WDR function helps camera to show clear video image even very bright and dark scene is mixed in the same one image.
User may select BLC or HLC function according to the install environment.

WDR OFF

WDR ON

White Balance : Nature color as it is…

Camera delivers natural color images by excellent color reproduction performance against various light conditions.

Test environment : 5 Lux Color mode - F1.4, 3100K

C1080B(2M, CMOS)

"L" company (2M IP, CMOS)

"G" company (2M HD-SDI, CMOS)

Test Pattern : Color Bar, Stress Pattern

To help checking the quality of HD-SDI transmission cable, camera supports color bar and stress pattern. This is a request from HDcctv and it also helps to check product's well-working condition.
Especially, Stress pattern is the most sensitive video image to cable quality. (C1080B model only)

HD-CCTV Camera **Features**

Intelligent brightness control

SMART IR-LED function automatically controls the intensity of IR-LED according to the distance with the target. Camera can show clear video image without saturation of light at lightness environment.

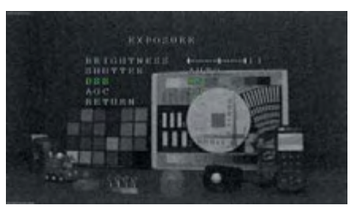
Normal IR-LED

Smart IR-LED

DSS : Digital Slow Shutter (Sense-up)

At very dark environment, DSS function accumulates the light into the sensor pixels, and provides visible video image as a result.

Light Off, DSS Off



Light Off, DSS ON = 5x

Light Off, DSS ON = 10x

TDN : True Day & Night

TDN function always provides clear video image by distinguishing daytime and nighttime. In case of night time, TDN mechanism removes IR-CUT filter to gather more light. (inlcuding IR light source)

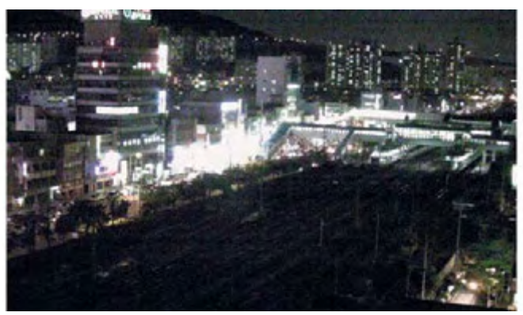
Light On, Day Mode (228 Lux)

Light Off, Day Mode (0 Lux)

Light Off, Night Mode (0 Lux)

3DNR : Powerful 3-Dimensional Digital Noise Reduction

3DNR function removes video noise at dark environment, and it provides clear video image as a result.
We adopted 3DNR and it provides better performance than 2DNR.



C1080B 3DNR OFF

C1080B 3DNR ON (high)

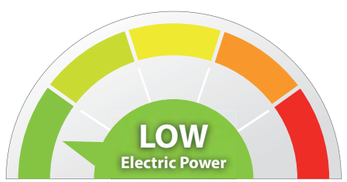
HD-CCTV Camera **Features**

DVR interface : Remote camera control by DVR

If serial communication is used between camera and DVR, DVR can control all functions of camera by OSD menu, and allow user can upgrade camera's firmware. By this function, user can even manage the camera through network. In case of -AF models, user can control camera's zoom and Focus.

Dual Voltage : DC12V / AC24V

User may select either DC12V or AC24V according to the install environment. Both power inputs use same terminal, and camera contains a protection circuit for reverse DC polarity input.

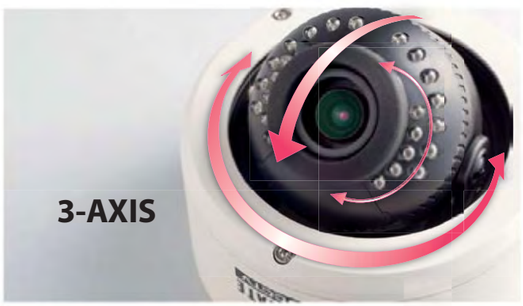


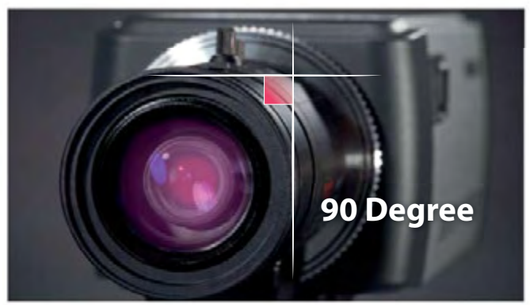
Low power consumption

Webgate's cameras consume lower power when they compared with competitor's ones. It significantly increases the reliability of products which are very sensitive to install environment.

Excellent mechanical design

Dome type camera's 3-axis gimbal provides easy installation.
Box type camera's front case is designed for lens to keep the center of optical sensor, and not to decrease the focus performance over the whole screen.
Bullet type camera provides one-puch focusing and it helps easy installation.





Box Camera (Patent pending: 10-2011-0014790)
Title : Design of camera front case
Substance : Mechanical design which keeps the center of image sensor and lens for fine focusing. The design minimized the mechanical error.

Bullet Camera (Patent No. : 10-1018881)
Title : CCTV Bracket
Substance : Mechanical design fixing 3-axis with ease which is used for adjusting of angle of view.

HD-CCTV **Camera**

C1080PT-Z20

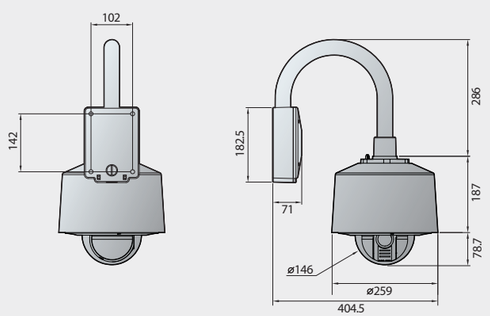
Full HD PTZ Dome Camera

Key Features

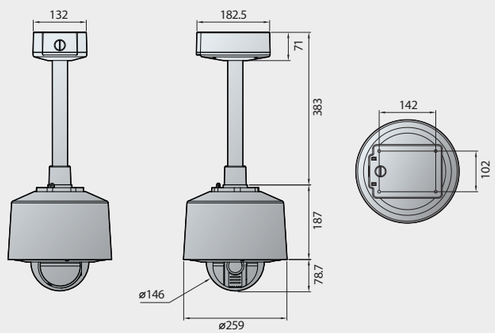
- HD-SDI 20x Speed Dome Camera
- 20x Optical Zoom (4.7 ~ 94mm) and 10x Digital Zoom
- 1/3" 2M CMOS progressive image sensor
- HD-SDI 1080p or 720p Video Output
- WDR function
- Privacy zone function (Up to 8 Area)
- True Day&Night with IR cut filter removable
- Dust-proof/Water-proof (IP66)
- Powerful Function
  - · 255 Preset Positions with Alphanumeric Labels
  - · 4 Pattern, 8 Scan and 8 Group Functions
  - · 8 Privacy zones (Spherical Coordinates)
  - · Power-up Action

Dimension (unit:mm)

Wall Mount Bracket



Ceiling Mount Bracket



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	**B/W**	0.3Lux@50IRE, F1.6, 50IRE, High Sensitivity Mode, 0.095Lux@F1.6 50IRE
	Color	1.7Lux@50IRE, F1.7, 50IRE, High Sensitivity Mode, 0.5Lux@F1.6 50IRE
Lens	**Zoom**	x20 Optical zoom & x10 Digital zoom
	Angle of View	H:55.4°(W) ~ 2.9°(T)
	Focal length	F 1.6 ~ 3.5 F=4.7 ~ 94mm
Video Output	**Output**	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	**Day&Night**	Auto/Day/Night(ICR)
	Focus	Auto/Manual
	Exposure Mode	Full Auto/Shutter/Iris/Bright/Manual
	White Balance	Auto WB/Indoor/Outdoor/One Push WB/Manual WB
	AGC	Auto/Manual(-3~28dB, 2dB steps)
	WDR	WDR: Auto/Off
Pan/Tilt	**Range**	Pan:360°(Endless), Tilt:180°
	Pan / Tilt Speed	Preset"360°/sec, Manual:0.05°~360°/sec(Zoom Proportional), Scan:1°~180°/sec
	Preset	255 preset with Labels/Independent Camera Setup
	Pattern	4 Patterns(Approx. 5 Minutes for Each Pattern)
	Scan	8 Scans
	Group	8 Groups(Max. 20 Enters for Each Group)
	Other functions	Power-up Action & etc.
CONTROL INTERFACE		
Communication		RS-485
RS-485 Protocol		Auto(Pelco-D, Pelco-P, Samsung-E can be supported automatically)
ELECTRICITY		
Power Consumption		AC 24V
MECHANICAL		
Dimension		Dome(ø) : 146mm, Housing(øxH) : 259x266mm
Weight		Net: 6Kg, Package: 10.9kg
ENVIRONMENTS		
Operation Temp. / Humidity		-40 ºC ~ 50 ºC / 10% RH ~ 80% RH
CERTIFICATIONS		
Certifications		FCC, CE, IP66

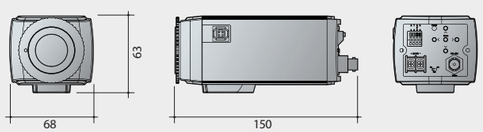
C1080B / C1080BM Full HD Box Camera

Key Features

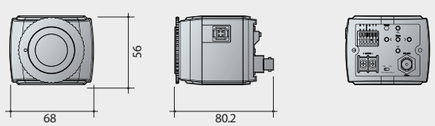
- Certified by HDcctv Alliance : C1080B
- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 video Output
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- Easy OSD menu control like conventional CCTV camera
- Remote control & upgrade through RS485 from DVR
- Strobe signal output for external light
- DC Iris & C/CS mountable (C-Adaptor Ring)
- Support Test Patterns (Color bar, Stress Pattern) : C1080B

Dimension (unit:mm)

C1080B



C1080BM



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	**B/W**	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	**Mount**	CS/ C(Ring Adaptor)
	Filter	True Day & Night (ICR)
	type	DC Auto Iris, Manual
Video Output	**Output**	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	**Control Method**	OSD(5 Push Buttons), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
CONTROL INTERFACE		
RS232		Debug
RS485		Upgrade Firmware / OSD Control
Strobe for external light		TTL level
ELECTRICITY		
Power Consumption		DC 12V ± 10%, 4W
MECHANICAL		
Dimension	**C1080B**	68(W) x 150(D) x 63(H) mm
	C1080BM	68(W) x 81(D) x 56(H) mm
Weight	**C1080B**	350g (Lens not include)
	C1080BM	320g (Lens not include)
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS, HDcctv(C1080B)

HD-CCTV **Camera**

C1080VD

C1080D

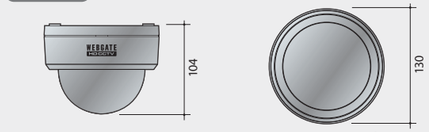
C1080D / C1080VD Full HD Dome Camera

Key Features

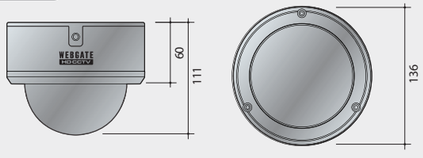
- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 Video Output
- DC Iris, 2.8mm ~ 10mm, F1.2 Megapixel lens
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- Easy OSD menu control like conventional CCTV camera
- Remote control & upgrade through RS485 from DVR
- Dust-proof/Water-proof (IP66) : Vandal model
- 3-Axis for easy installation
- CVBS Video output for easy installation
- Dual Voltage(AC24V, DC12V)

Dimension (unit:mm)

C1080D



C1080VD



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	**B/W**	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	**Mount**	D-Mount
	Filter	True Day & Night
	type	DC Auto Iris, 2.8~10mm, F1.2
Video Output	**Output**	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	**Control Method**	OSD(Internal Joystick), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
CONTROL INTERFACE		
RS485		Upgrade Firmware / OSD Control
ELECTRICITY		
Power Consumption		DC 12V ± 10%, 3W / AC 24V ± 10%, 4W
MECHANICAL		
Dimension	**C1080D**	130(ø) x 104(H)mm
	C1080VD	136(ø) x 111(H)mm
Weight	**C1080D**	359g
	C1080VD	759g
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS

HD-CCTV **Camera**

C1080D-IR

C1080VD-IR

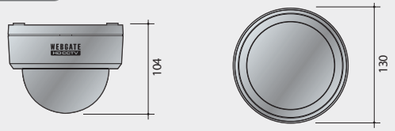
C1080D-IR / C1080VD-IR Full HD IR Dome Camera

Key Features

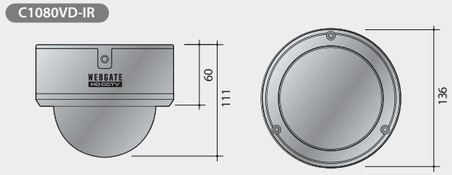
- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 Video Output
- DC Iris, 2.8mm ~ 10mm, F1.2 Megapixel lens
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- Smart IR function
- Easy OSD menu control like conventional CCTV camera
- Remote control & upgrade through RS485 from DVR
- Dust-proof/Water-proof (IP66) : Vandal model
- 3-Axis for easy installation
- Built-in IR LED (24pcs)
- CVBS Video output for easy installation
- Dual Voltage(AC24V, DC12V)

Dimension (unit:mm)

C1080D-IR



C1080VD-IR



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	**B/W**	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	**Mount**	D-Mount
	Filter	True Day & Night
	type	DC Auto Iris, 2.8~10mm, F1.2
Video Output	**Output**	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	**Control Method**	OSD(Internal Joystick), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
LIGHT		
Strobe for light	**C1080D-IR**	24pcs, 850mm 60Degree control by visible light sensor.
	C1080VD-IR	
CONTROL INTERFACE		
RS485		Upgrade Firmware / OSD Control
ELECTRICITY		
Power Consumption		DC 12V ± 10%, 4W / AC 24V ± 10%, 5W
MECHANICAL		
Dimension	**C1080D-IR**	130(ø) x 104(H)mm
	C1080VD-IR	136(ø) x 111(H)mm
Weight	**C1080D-IR**	369g
	C1080VD-IR	769g
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS

HD-CCTV **Camera**

C1080D-AF

C1080VD-AF

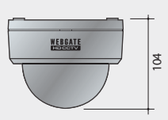
C1080D-AF / C1080VD-AF Full HD Auto Focus Dome Camera

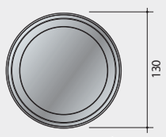
Key Features

- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 Video Output
- DC Iris, 2.8mm ~ 10mm, F1.2 Megapixel lens
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- One-push Auto focus function
- Easy OSD menu control like conventional CCTV camera
- Remote Zoom/Focus control & upgrade through RS485 from DVR
- Dust-proof/Water-proof (IP66) : Vandal model
- 3-Axis for easy installation
- CVBS Video output for easy installation
- Dual Voltage(AC24V, DC12V)

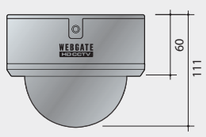
Dimension (unit:mm)

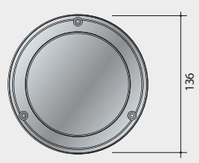
C1080D-AF





C1080VD-AF





Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	**B/W**	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	**Mount**	D-Mount
	Filter	True Day & Night
	type	DC Auto Iris, 2.8~10mm, F1.2
Video Output	**Output**	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	**Control Method**	OSD(Internal Joystick), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
CONTROL INTERFACE		
RS485		Upgrade Firmware / OSD Control
ELECTRICITY		
Power Consumption		DC 12V ± 10%, 3W / AC 24V ± 10%, 4W
MECHANICAL		
Dimension	**C1080D-AF**	130(ø) x 104(H)mm
	C1080VD-AF	136(ø) x 111(H)mm
Weight	**C1080D-AF**	370g
	C1080VD-AF	770g
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS

HD-CCTV **Camera**

C1080D-IR-AF

C1080VD-IR-AF

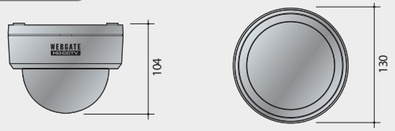
C1080D-IR-AF / C1080VD-IR-AF Full HD Auto Focus IR Dome Camera

Key Features

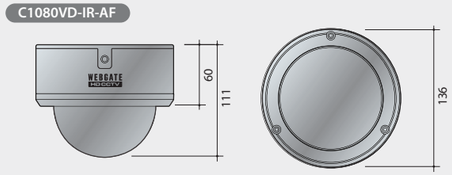
- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 Video Output
- DC Iris, 2.8mm ~ 10mm, F1.2 Megapixel lens
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- One-push Auto focus function
- Smart IR function (No Saturation)
- Easy OSD menu control like conventional CCTV camera
- Remote Zoom/Focus control & upgrade through RS485 from DVR
- Dust-proof/Water-proof (IP66) : Vandal model
- 3-Axis for easy installation
- Built-in IR LED (24pcs)
- CVBS Video output for easy installation
- Dual Voltage(AC24V, DC12V)

Dimension (unit:mm)

C1080D-IR-AF



C1080VD-IR-AF



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	B/W	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	Mount	D-Mount
	Filter	True Day & Night
	type	DC Auto Iris, 2.8~10mm, F1.2
Video Output	Output	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	Control Method	OSD(Internal Joystick), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
LIGHT		
Strobe for light	C1080D-IR-AF	24pcs, 850mm 60Degree control by visible light sensor.
	C1080VD-IR-AF	
CONTROL INTERFACE		
RS485		Upgrade Firmware / OSD Control
ELECTRICITY		
Power Consumption		DC 12V ± 10%, 4W / AC 24V ± 10%, 6W
MECHANICAL		
Dimension	C1080D-IR-AF	130(ø) x 104(H)mm
	C1080VD-IR-AF	136(ø) x 111(H)mm
Weight	C1080D-IR-AF	380g
	C1080VD-IR-AF	780g
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS

HD-CCTV **Camera**

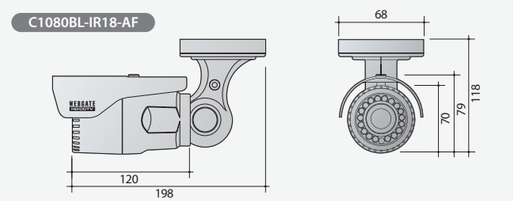
C1080BL-IR18-AF
C1080BL-IR48-AF Full HD Auto Focus IR Bullet Camera

Key Features

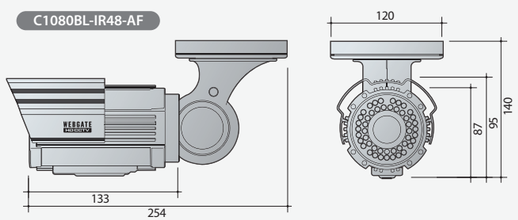
- 1/3" 2.1M CMOS progressive image sensor
- HD-SDI 1080p25/30 & 720p25/30 Video Output
- DC Iris, 2.8mm ~ 10mm, F1.2 Megapixel lens
- Horizontal/Vertical resolution over 1200TV line
- High-performance under low light environment
  (BW : 0.0005 Lux/ Color : 0.2Lux@50IRE, F.1.4, 3100K, DSS off)
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone function (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur for moving object
- One-push Auto focus function
- Smart IR function (No Saturation)
- Easy OSD menu control like conventional CCTV camera
- Remote Zoom/Focus control & upgrade through RS485 from DVR
- Dust-proof/Water-proof (IP66)
- All-in-one Bracket & Housing structure
- Built-in IR LED (IR18: 18pcs, IR48: 48pcs)
- CVBS Video output for easy installation
- Dual Voltage(AC24V, DC12V)

Dimension (unit:mm)

C1080BL-IR18-AF



C1080BL-IR48-AF



Specifications

VIDEO		
Sensor Type		1/3" 2.1Megapixel CMOS
Total Pixels		1920(H) x 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min illumination	B/W	0.0005Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.2, 3100K, DSS(OFF), AGC(10)
Lens	Mount	CS / C(Ring Adaptor)
	Filter	True Day & Night
	type	DC Auto Iris, Manual
Video Output	Output	1(BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps, 720p 60fps / 50fps (Clipping)
	HD-SDI	SMPTE 292M compatible
	Distance	Approx. 200m(650 ft.) of RG6, 150m(490 ft.) of RG59
Video Control	Control Method	OSD(5 Push Buttons), DVR, CMS(Control Center)
	AGC	1 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, 0 ~ 4 setup
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, ON
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, x2 ~ x10
	White Balance	AUTO, PRESET, MANUAL
	Electric Shutter	AUTO, MANUAL(12 steps), INDOOR, OUTDOOR, ANTI-FLICKER
	D-ZOOM	0 ~ 16 steps
	Lens Shading	OFF, ON
	HLC	0 ~ 10 steps
	Privacy	OFF/ON (28 Zones)
CONTROL INTERFACE		
RS485		Upgrade Firmware / OSD Control
Strobe for external light		TTL level
ELECTRICITY		
Power Consumption	C1080BL-IR18-AF	DC 12V ± 10%, 4W / AC 24V ± 10%, 6W
	C1080BL-IR48-AF	DC 12V ± 10%, 5W / AC 24V ± 10%, 8W
MECHANICAL		
Dimension	C1080BL-IR18-AF	88(W) x 118(H) x 198(D) mm
	C1080BL-IR48-AF	120(W) x 140(H) x 254(D) mm
Weight	C1080BL-IR18-AF	720g (1.6 lbs)
	C1080BL-IR48-AF	1600g (3.5 lbs)
ENVIRONMENTS		
Operation Temp. / Humidity		0 ºC ~ 50 ºC / 0%RH ~ 80%RH
CERTIFICATIONS		
Certifications		KC, FCC, CE, RoHS